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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/702,549	10/31/2000	Joanne M. Piotrowski	45118-00032	1224

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EXAMINER	
TO, BAOQUOC N	

ART UNIT	PAPER NUMBER
2172	

DATE MAILED: 12/20/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/702,549	PIOTROWSKI ET AL.	
	Examiner	Art Unit	
	Baoquoc N To	2172	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on _____ .

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-34* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-34* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12)☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____ .

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

a) ☐ The translation of the foreign language provisional application has been received.

15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) *5,7* .
4) ☐ Interview Summary (PTO-413) Paper No(s). _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: .

DETAILED ACTION

1. Claims 1-34 are presented for examination.

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on May 4, 2001 and September 14, 2001. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Claim Objections

3. Claim 31 objected to because of the following informalities: The word "same" in line 10 does not give meaning to the limitation. The examiner assumes the word "same" is name to be examined. Appropriate correction is required.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4. Claim 1-8, 10-17, 20-21 and 23-34 are rejected under 35 U.S.C. 103(a) as being unpatentable over Takano (US. Patent No. 5,940,831) in view of Agranat et al. (US. No. 6,456,308).

Regarding on claim 1, teaches a web-based system for storing and accessing and associated information comprising:

A first database (server 12) configurable to store assets and/or associated information wherein, each record (node) in the database includes a plurality of searchable classification identifiers (node identifier) (col. 4, line 14) and at least one data link (node link) which provides an association with one or more of the other records in the database (col. 4, lines 14-15); and

A communication interface accessible over a data network to which the web-based system is connectable (col. 3, lines 64-67), wherein said communications interface is configurable to present at least one interactive screen display (information retrieval display) (col. 4, lines 3-4) through which search information may be entered and retrieved data viewed (the former demands the information retrieval from the

directory server an displays the information obtained from the directory server12) (col. 4, lines 4-7); and

A search engine (retrieval 123) (col. 4, line 25-26) configurable to employ the search information received through at least on interactive display (information retrieval display) (col. 4, line 3-4) to search the assets (node) and/or association (link to the content file) (col. 4, lines 22-24). However, Takano does not explicitly teach compile all the identified assets and/or association information in predetermined format, and present the complied information such that it is viewable through the communication interface. However, Agranat teaches, "the content source document 111 are stored conventionally in the form of one or more directory trees 113. The directory trees 113 containing the content which defines the GUI is then compiled using the HTML compiler 107, to produce an application source code language output 109 representing the content source documents in the directory tree" (col. 11, lines 55-57). This teaches the compiler 107 used to compile the assets and output in the HTML format. Therefore, it would have been obvious to one ordinary skill in the art at the time of the invention was made to modify the teaching of Agranat into Takano in order to provide a graphical user interface to allow the user visually select and compile the documents in the HTML format.

Regarding on claim 2, Takano teaches a second database (secondary information storage 122) which includes assets stored as electronic documents which are accessible through access of at least one of the record stored in the first database (col. 4, lines 18-34).

Regarding on claim 3, Takano teaches the first (directory storage 121) and the second database (secondary storage) are resident on a network server (directory server 12) (col. 4, lines 18-20) and each of the records and assets (node) has a link through which selected portions of the record and asset may be viewable through at least one interactive screen display (col. 4, lines 3-10).

Regarding on claim 4, Takano teaches the assets and associated information relate to process and procedures employed by an organization (content of documents contain processes and procedures) (col. 4, lines 38-40).

Regarding on claim 5, teaches the classification searchable identifiers include at least one of: a plurality of tiers (sport, entertainment) within which the assets (titles) has been classified (fig. 4), process area within which the asset has been classified, identification number assigned to the asset, and organization which created the asset.

Regarding on claim 6, Takano teaches the tiers (sport, entertainment) are organized such that the assets and/or associated information associated with a particular tier (sport) within the plurality of tiers has a unique applicability to a particular portion of the organization (fig. 5).

Regarding on claim 7, Takano teaches the associated information may include at least one of: change requests associated with one or more of the assets, change directives, associated with the change requests and the assets, identified process areas (sport, entertainment, society, history, literature) (fig. 6), document which comprise a particular one of the processes and procedures.

Regarding on claim 8, Takano teaches the screen display (display) (col. 4, lines 3-4) and the compiled information (retrieval information) configured in an HTML format (hypermedia) so as to be viewable through use of a web browser (www) (col. 1, lines 24-26).

Regarding on claim 10, Takano teaches a plurality of the interactive screen displays are employable as part of the communication interface, and the plurality of screen display include navigation button (a select by mouse click) which are selectable so as to move to one of the interactive screen displays employable for searching using at least one of the identifiers (node identifier) (col. 5, lines 19-25).

Regarding on claim 11, Takano teaches searching the database to extract (col. 4, lines 24-25) and view (display) status information for the change request stored therein (col. 4, lines 51-54).

Regarding on claim 12, Takano teaches selecting of the assets and/or associated information (sport) is accessible through specially configured interactive displays which provide a roadmap for performing tasks (fig. 4).

Regarding on claim 13, Takano teaches a web-based computer system for storing and providing access to a plurality of documents comprising:

A centralized server device (directory server 12) connectable to a data network (these are connect in a network) (col. 3, lines 64-67), wherein said server comprises:

A communication interface (interface to search and retrieve data) which provides for processing communications signals transmitted and received over the data network (fig. 1);

An asset information database, which includes a plurality of records (node) (col. 21-22) relating to particular of records relating to particular assets (col. 4, lines 23-24), wherein each item in the database includes at least one searchable classification identifier (node identifier) (col. 4, line 22);

A search engine (the retrieval 123) (col. 4, line 60) configurable to employ to search terms provided through the interactive screen displays (permits retrieval in an

interactive) (col. 1, line 20) to identify and retrieve the assets and/or associated information which include the classification identifier employed in the search term, wherein the search engine may configure retrieved assets and/or associated information (col. 4, lines 60-67); and

Takano does not explicitly teach a display page generator configurable to compile the retrieve assets and/or associated information in a format which is presentable through the communications interface. However, Agranat teaches, "the content source document 111 are stored conventionally in the form of one or more directory trees 113. The directory trees 113 containing the content which defines the GUI is then compiled using the HTML compiler 107, to produce an application source code language output 109 representing the content source documents in the directory tree" (col. 11, lines 55-57). This teaches the compiler 107 used to compile the assets and output in the HTML format. Therefore, it would have been obvious to one ordinary skill in the art at the time of the invention was made to modify the teaching of Agranat into Takano in order to provide a graphical user interface to allow the user visually request and compile the documents in the HTML format.

Regarding on claim 14, Takano teaches a second database (secondary information storage 122) (col. 4, line 19) configurable to store the assets as electronic documents which are accessible through access of at least one of the records stored in the asset information database (col. 4, lines 18-34).

Regarding on claim 15, Takano teaches the communication interface (communication to retrieve search, fig. 7) provides for establishment a connection with the server through use of a commercially available web browser (www) (col. 1, lines 24-27).

Regarding on claim 16, Takano teaches the records and the assets are related to processes and procedures employed by an organization (content of documents contain processes and procedures) (col. 4, lines 38-40).

Regarding on claim 17, Takano teaches the additional interactive screen displays provide for performing a search wherein the classification identifier comprises:

Classification within one of a plurality of tiers (directory, category, and node) (fig. 2);

Classification within a particular process area (sport) (fig. 3);

Association with a particular portion of the organization (sport) (fig. 3);

Assets which have an assigned designation (node 001) (fig. 3); and

Change requests associated with one or more of the assets (col. 4, lines 18-34).

Regarding on claim 20, Takano teaches the database (directory storage 121) (col. 4, lines 19-20) resident on a network server (directory server 12) (col. 4, line 19) and each of the records (node) in the database has a link associated therewith (fig. 13).

Regarding on claim 21, Takano teaches the asset database (directory server 12) is distributed across the data network and the records (content of file) within the database are accessible through use of the communications interface (col. 4, lines 20-34).

Regarding on claim 23, Takano teaches a method providing access to database information in a web based computer system comprising:

Providing at least one database (table 30, fig. 3) which includes a plurality of records for asset and/or asset related information, wherein each of the records in the at least one database includes at least one classification identifier and at least one of the records includes a data link to other records in the database (col. 4, lines 44-59);

In response to selection of at least one search term (node identifier), where the search term includes at least one classification identifier (node identifier), performing a search of the database to identify all the records which have classification identifiers which match the search term (col. 4, lines 18-28).

Takano does not explicitly teach presenting a first interactive interface accessible over a data network which includes navigation function employable to move to at least one other interactive interface which in turn is employable for generating at least one search term for performing a search of the database. Compiling (retrieving) all the matching records in a format (hypermedia) which is presentable over the data network (col. 4, lines 55-67). However, Takano teaches, the user can select the node with the identifier by selecting the by the mouser (col. 4, lines 60-67 and col. 5, lines 16-18). The label is select by a user, the directory information retrieval display 10 notifies the

node information display 102 that "node 003" was selected according to temporary memory 42. The node information display 102 requests node link data storage 111 in server 11 whose host name is (server 1) to transmit the content files as node having node identifier, "node 003", and then transmits them to the client" (col. 5, lines 19-25). On the other hand, However, Agranat teaches, "the content source document 111 are stored conventionally in the form of one or more directory trees 113. The directory trees 113 containing the content which defines the GUI is then compiled using the HTML compiler 107, to produce an application source code language output 109 representing the content source documents in the directory tree" (col. 11, lines 55-57). This teaches the compiler 107 used to compile the assets and output in the HTML format. Therefore, it would have been obvious to one ordinary skill in the art at the time of the invention was made to modify the teaching of Agranat into Takano because by utilizing the complier 107 as taught in Agranat would allow the document viewable in the HTML format.

Regarding on claim 24, Takano teaches the assets and/or asset information relate to processes and procedures and the classification identifiers include at least one of:

Classification within one of a plurality of tiers (category) (fig. 3);

Classification within a particular process area;

Association with a particular portion of the organization;

Assets which have an assigned designation; and

Change requests associated with one or more of the assets.

Regarding on claim 25, Takano teaches the tiers (sport, entertainment, society, history and literature) are organized such that the assets and/or asset information (documents) classified within a particular tier (sport) within the plurality of tier (sport, entertainment, society, history and literature) has a unique applicability to a particular portion of the organization (fig. 6).

Regarding on claim 26, Takano teaches the associated information may include at least one of: change requests associated with one or more of the assets, change directives, associated with the change requests and the assets, identified process areas (sport, entertainment, society, history, literature) (fig. 6), documents which comprise a particular one of the processes and procedures (content of documents contain processes and procedures) (col. 4, lines 38-40).

Regarding on claim 27, Takano teaches the data network comprises at least one of: the Internet (col. 1, lines 24-27).

Regarding on claim 28, Takano teaches the step of analyzing identification (node) information of the system users in order to make a determination as to what records in the database will be presented (col. 4, lines 60-67).

Regarding on claim 29, Takano teaches the step or retrieving and presenting a flat file in response to receipt of a least one search term (sport) (col. 4, lines 55-67).

Regarding on claim 30, Takano teaches the resultant interactive screen display further includes at least one hypertext link (Url) which is selectable in order to retrieve additional information from the database relating to the assets and/or related information (fig. 13).

Regarding on claim 31, Takano teaches a method of compiling assets and associated information in a web-based computer system, comprising:

Identifying the assets (nodes) and associated information to be stored (content of document), where each item or the assets and associated information configured for placement in the database as an individual record (col. 4, lines 40-54);

Categorizing each of the records (title-A) with at least one predetermined category (sport, entertainment) (fig. 6);

Appending at least one categorization identifier (node identifier) to each of the records (titles), wherein each of the categorization identifiers relates to the at least one predetermined category (col. 4, lines 60-65 and col. 5, lines 1-18);

Identifying any relevant links between the records (fig. 4 illustrated table linking node with sever1, file1 and title-A) and amending the records (titles) to include same (title has name) (col. 4, lines 63-67);

Takano does not explicitly teach generating a listing of links for accessing each of the records in the database. However, Takano teaches "the retrieval 123 refer to table 30 stored in directory information storage 121, selects a node identifier in the row 31 having the category name "sport" as category data in the category column, and then return to client 10. At this time, the retrieval 123 selects a host name, file name, and title name respectively according to the node identifiers "node001", "node003", and "node007", from table 20 and simultaneously return to client 10" (col. 4, lines 60-67). This teaches the table generating listing of linked for node identifier and category sport in table 30 and node link to host, dir1/file1 and title-A. Therefore, it would have been obvious to one ordinary skill in the art at the time of the invention was made to include the linked table in order to retrieve the information requested by the user's query.

Regarding on claim 32, Takano teaches the assets and associated information relate to process and procedure employed by an organization (content of documents contain processes and procedures) (col. 4, lines 38-40).

Regarding on claim 33, Takano teaches the classification searchable identifies include at least one of: a plurality of tiers (category) within which the asset has been classified (sport, entertainment) (fig. 6), process area within which the asset has been classified, identification number assigned to the asset, and organization which created the asset.

Regarding on claim 34, Takano teaches the tiers (category sport, entertainment, society) (fig. 6) are organized such that the assets and/or associated information associated with a particular tier within the plurality of tier has a unique applicability to a particular portion of the organization (title A, C, G belong to sport) (fig. 4).

5. Claim 19 is rejected under 35 U.S.C. 103(a) as being unpatentable over Takano (US. Patent No. 5,940,831) in view of Agranat et al. (US. No. 6,456,308) further in view of Rivette et al. (US. Patent No. 6,339,767).

Regarding on claim 19, Both Takano and Agranat do not explicitly teach the server configurable on a personal computer organization of search results organized by identifier are stored in existing flat files which are stored in the database and presentable through the communication interface. However, Rivette teaches, "This file stores a list of the search result" (col. 50, lines 30-31). In addition, Rivette also teaches, "the enterprise server 314 could be running MS-DOS and storing object in a flat file" (col. 56, lines 11-12). This teaches the results are identified and stored in the flat file. Therefore, it would have been obvious to one ordinary skill in the art at the time of the invention was made to modify the teaching of Rivette into both Takano and Agranat because storing the results in the flat files would allow the user easily to retrieve.

6. Claims 9, 18 and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Takano (US. Patent No. 5,940,831) in view of Agranat et al. (US. No. 6,456,308) further in view of Blinn et al. (US. Patent No. 5,974,418).

Regarding on claims 9 and 18, Both Takano and Agranat do not explicitly teach a security device employable in conjunction with the communication interface which may limit access to one or more of the assets and associated information base on predetermined criteria. However, Blinn teaches, "the security module 402 performs the steps of flowchart 11002 to determine whether a user who is requesting an operation involving a data item has sufficient security access privileges with respect to that data item" (col. 83, lines 19-22). This teaches only data item can be access by the person who has the right privileges. Therefore, it would have been obvious to one ordinary skill in the art at the time of the invention was made to modify the teaching of Blinn into both Takano and Agranat because restricting the access to data item would allow only the authorize user to access or change the sensitive data items.

Regarding on claim 22, Both Takano and Agranat teaches the subject matter except for the display page generator comprises a Cold Fusion server which provides for conversion of data extracted from the asset information and assets database into HTML pages. However, Blinn teaches, "a dynamic page generator 176, such as available in Internet Information Server from Microsoft or Cold Fusion from Allaire, parses a HTML file to create Web page. FIG. 7" (col. 11, lines 14-17). This teaches the page generator comprising a cold fusion server to create web page or conversion to HTML. Therefore, it would have been obvious to one ordinary skill in the art to modify the teaching of Blinn into both Takano and Agranat because by utilizing the cold fusion server as taught in Blinn would allow the system to create or convert the information to the HTML pages.

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Baoquoc N. To whose telephone number is (703) 305-1949 or via e-mail BaoquocN.To@uspto.gov. The examiner can normally be reached on Monday-Friday: 8:00 AM – 4:30 PM, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Y. Vu can be reached at (703) 305-4393.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
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The fax numbers for the organization where this application or proceeding is assigned are as follow:

- (703) 746-7238 [After Final Communication}]
- (703) 746-7239 [Official Communication]
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Hand-delivered responses should be brought to:

Crystal Park II
2121 Crystal Drive
Arlington, VA 22202
Fourth Floor (Receptionist).

JEAN M. CORRIELUS
PRIMARY EXAMINER

Baoquoc N. To
December 8, 2002